```
               8895 PENCIL
               1155 PENCILS
               9300 PENCIL
                       (PENCIL OR PENCILS)
             159537 HARDNESS
               1890 HARDNESSES
             160280 HARDNESS
                       (HARDNESS OR HARDNESSES)
L5             6263 PENCIL(L)HARDNESS

=> s base body or substrate
             563136 BASE
             130857 BASES
             644565 BASE
                       (BASE OR BASES)
             428639 BODY
              95113 BODIES
             498314 BODY
                       (BODY OR BODIES)
                316 BASE BODY
                       (BASE(W)BODY)
             666185 SUBSTRATE
             314430 SUBSTRATES
             839135 SUBSTRATE
                       (SUBSTRATE OR SUBSTRATES)
L6           839427 BASE BODY OR SUBSTRATE

=> d his

       (FILE 'HOME' ENTERED AT 10:16:42 ON 12 MAR 2003)

       FILE 'CAPLUS' ENTERED AT 10:19:05 ON 12 MAR 2003
L1              29 S DETERGENT-IMPREGNATED OR DETERGENT IMPREGNATED
L2          130330 S ARTICLE
L3         2748683 S WATER OR AQUEOUS
L4            6117 S PENCIL HARDNESS
L5            6263 S PENCIL(L)HARDNESS
L6          839427 S BASE BODY OR SUBSTRATE

=> s l1 and l2
L7               1 L1 AND L2

=> s l2 and l3 and l5 and l6
L8              15 L2 AND L3 AND L5 AND L6

=> s l8 and l1
L9               0 L8 AND L1

=> s solid(l)abrasive(l)particle
             857779 SOLID
             254780 SOLIDS
            1047858 SOLID
                       (SOLID OR SOLIDS)
              24803 ABRASIVE
              10183 ABRASIVES
              27533 ABRASIVE
                       (ABRASIVE OR ABRASIVES)
             564773 PARTICLE
             637512 PARTICLES
             959260 PARTICLE
                       (PARTICLE OR PARTICLES)
L10            481 SOLID(L)ABRASIVE(L)PARTICLE

=> d his
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        (FILE 'HOME' ENTERED AT 10:16:42 ON 12 MAR 2003)

        FILE 'CAPLUS' ENTERED AT 10:19:05 ON 12 MAR 2003
L1            29 S DETERGENT-IMPREGNATED OR DETERGENT IMPREGNATED
L2        130330 S ARTICLE
L3       2748683 S WATER OR AQUEOUS
L4          6117 S PENCIL HARDNESS
L5          6263 S PENCIL(L)HARDNESS
L6        839427 S BASE BODY OR SUBSTRATE
L7             1 S L1 AND L2
L8            15 S L2 AND L3 AND L5 AND L6
L9             0 S L8 AND L1
L10          481 S SOLID(L)ABRASIVE(L)PARTICLE

=> s 12 and 13 and 15 and 16 and 110
L11            0 L2 AND L3 AND L5 AND L6 AND L10

=> s 15 and 110
L12            0 L5 AND L10

=> s abrasive(l)particles
         24803 ABRASIVE
         10183 ABRASIVES
         27533 ABRASIVE
               (ABRASIVE OR ABRASIVES)
        637512 PARTICLES
             1 PARTICLESES
        637512 PARTICLES
               (PARTICLES OR PARTICLESES)
L13         4332 ABRASIVE(L)PARTICLES

=> s 113 and 15
L14            0 L13 AND L5

=> s cleansing agent or soap or detergent
          8069 CLEANSING
            27 CLEANSINGS
          8074 CLEANSING
               (CLEANSING OR CLEANSINGS)
        633188 AGENT
        855248 AGENTS
       1241224 AGENT
               (AGENT OR AGENTS)
           787 CLEANSING AGENT
               (CLEANSING(W)AGENT)
         41164 SOAP
         25060 SOAPS
         52569 SOAP
               (SOAP OR SOAPS)
         70186 DETERGENT
         61651 DETERGENTS
         96537 DETERGENT
               (DETERGENT OR DETERGENTS)
L15       143178 CLEANSING AGENT OR SOAP OR DETERGENT

=> s impregnat?
L16       128945 IMPREGNAT?

=> d his

        (FILE 'HOME' ENTERED AT 10:16:42 ON 12 MAR 2003)

        FILE 'CAPLUS' ENTERED AT 10:19:05 ON 12 MAR 2003
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L1            29 S DETERGENT-IMPREGNATED OR DETERGENT IMPREGNATED
L2        130330 S ARTICLE
L3       2748683 S WATER OR AQUEOUS
L4          6117 S PENCIL HARDNESS
L5          6263 S PENCIL(L)HARDNESS
L6        839427 S BASE BODY OR SUBSTRATE
L7             1 S L1 AND L2
L8            15 S L2 AND L3 AND L5 AND L6
L9             0 S L8 AND L1
L10          481 S SOLID(L)ABRASIVE(L)PARTICLE
L11            0 S L2 AND L3 AND L5 AND L6 AND L10
L12            0 S L5 AND L10
L13         4332 S ABRASIVE(L)PARTICLES
L14            0 S L13 AND L5
L15        143178 S CLEANSING AGENT OR SOAP OR DETERGENT
L16        128945 S IMPREGNAT?

=> s l2 and l15 and l16
L17           52 L2 AND L15 AND L16

=> s l3 and l6 and l13
L18          100 L3 AND L6 AND L13

=> s l17 and l18
L19            1 L17 AND L18

=> d l19 bib,abs

L19  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
AN   1998:406052  CAPLUS
DN   129:83014
TI   Detergent-impregnated article for easy
     cleaning of hard surfaces without streaking
IN   Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome, Hironobu
PA   Kao Corp., Japan; Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome,
     Hironobu
SO   PCT Int. Appl., 57 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE        APPLICATION NO.  DATE
     ---------------   ----  --------    ---------------  --------
PI   WO 9826040        A1    19980618    WO 1997-JP4448   19971204
        W:  AU, CN, KR, SG, US, VN
        RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
     JP 10165344       A2    19980623    JP 1996-328778   19961209
     JP 3007578        B2    20000207
     AU 9851367        A1    19980703    AU 1998-51367    19971204
     AU 730354         B2    20010308
     EP 944713         A1    19990929    EP 1997-946107   19971204
     EP 944713         B1    20030226
        R:  DE, ES, FR, GB, NL
     CN 1239996        A     19991229    CN 1997-180436   19971204
PRAI JP 1996-328778    A     19961209
     JP 1997-94241     A     19970411
     JP 1997-94242     A     19970411
     WO 1997-JP4448    W     19971204
OS   MARPAT 129:83014
AB   A detergent-impregnated article, esp.
     suitable for cleaning a hard surface such as glass, comprises a
     base body impregnated with a detergent
     comprising solid abrasive particles, e.g., a vinyl
     (co)polymer, silicone deriv., etc.; a protective layer-forming component,
```

e.g., dimethylpolysiloxane; an org. solvent, e.g., an n-alkane; a drying accelerator, e.g., ethanol; a thickening polysaccharide; and a surface-active agent, e.g., dodecyl glucoside. A hard surface is wiped with the **detergent-impregnated article** to
apply the **detergent** and release dirt from the surface, then dry-wiped lightly with a wiping sheet to remove the dirt and **detergent** and form a stain-resistant protective layer on the surface. Thus, a **detergent** comprising silicone powder (av. particle size 2 .mu.m) 3, dimethylpolysiloxane 0.5, n-paraffin 2, dodecyl glucoside 0.50, xanthan gum 0.13, ethanol 20, and **water** 71.87%
was **impregnated** in a pulp sheet (basis wt. 55 g/m2, thickness 0.9 mm) to 300-500% uptake, and the sheet used to wipe a glass plate, which, after the **detergent** dried, was dry-wiped with an unimpregnated pulp sheet dynamic friction coeff. in wiping 0.20, gloss 114, static friction coeff. of cleaned surface 0.25, and staining degree 17%, compared with 0.50, 100, 0.60, and 91%, resp., for a com. glass cleaner.

RE.CNT 4   THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
            ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	50.42	51.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-0.65

FILE 'STNGUIDE' ENTERED AT 10:28:42 ON 12 MAR 2003
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Mar 7, 2003 (20030307/UP).

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.36	51.62

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.65

STN INTERNATIONAL LOGOFF AT 10:32:28 ON 12 MAR 2003